Great Wall™ 0520C-H 长城

AN ADVANCED IBM® (PC/XT) COMPATIBLE PERSONAL COMPUTER

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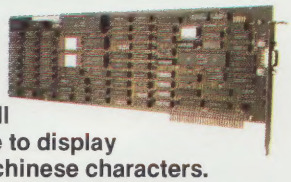
0520CH is developed by the Micro-computer Technology Development Center of the Administration of Computer Industry of the Ministry of Electronics Industry, the People's Republic of China.

Incorporating many hardware and software technological breakthroughs, the 0520CH is totally compatible with the IBM PC/XT as well as being able to display high quality chinese characters.



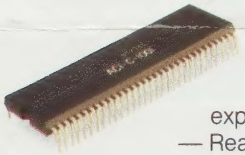
Two types of resolution display are available including the 16 × 18 color display and the 24 × 28 monochrome display.

With the super high resolution display, 0520CH is the ideal personal computer system for graphics applications and high quality word processing.

Hardware

☐ Main board — 8088, 16 bit micro-processor.

— 8087, optional mathematics co-processor to increase numerical processing speed.



— 512K bytes RAM expandable to 1M bytes.

— Realtime clock to show year, month, day, hour, minute and second.

— Accommodate up to four floppy disk drives.

— Come with 32K bytes ROMBASIC, 8K bytes BIOS, 8K bytes graphics and printer software and an user IC socket for 8K bytes EPROM.

In order to increase the reliability of the main board and reduce production cost, a highly efficient system management chip (SMC) is used. The SMC is developed by our engineers defying the conventional system bus design theory. The SMC can control the address bus and all I/O ports which means all signals coming out of the CPU are controlled by it.

The SMC can perform the functions of over 70 TTL ICs and 2 LSI ICs, thus greatly reduces the cost of the system board. That is why the system price is low but the speed and reliability is superb. Two display adapters are available for 0520CH:

1. **Super high resolution 16 × 18 (648 × 504) 16-color display adapter (0520C-14).**
2. **Super high resolution 24 × 28 (972 × 784) monochrome display adapter (0520C-16).**

Floppy and Fixed Disks

The 0520CH comes with two 320/360 floppy disk drives and a 20M byte fixed disk (twice the capacity of the IBM XT and can even be expanded to 40M byte). The three drive system (drives A, B and C) can run all standard software on the market without modification (Unlike the IBM XT which has only drives A and C therefore cannot run software requiring drives A and B).

Monitor

Super high resolution color monitor offers a 16 × 18 (648 × 504) high resolution display. If the user requires a 24 × 28 character display, he may choose a monochrome display monitor.

Keyboard

To facilitate speedy and easy chinese character input, 0520CH has a keyboard specially for chinese input which makes the rate of input several times faster than before.

The keys are extremely durable and are made to eliminate any contact problem which may arise after long period of use.

Case

The 0520CH features an inside-outside case design which makes it sturdy and easy to service.

It is the first personal computer to have a LED display panel to enable the user to tell at a glance the running conditions of the system. In case of any problem, the operator can tell from the display in which address area the problem occurs during program execution.

Software

GWBIOS is a chinese management system developed by the Micro-computer Technology Development Center in 1985. It supports high resolution chinese characters display of 16 × 18 and 24 × 28. It is compatible with all CC.DOS 2.0 software.

All software package including games designed for the IBM PC/XT can run on the 0520CH.

0520CH also supports high level languages such as Basic, Pascal . . . etc, and can produce high resolution graphics.

Service

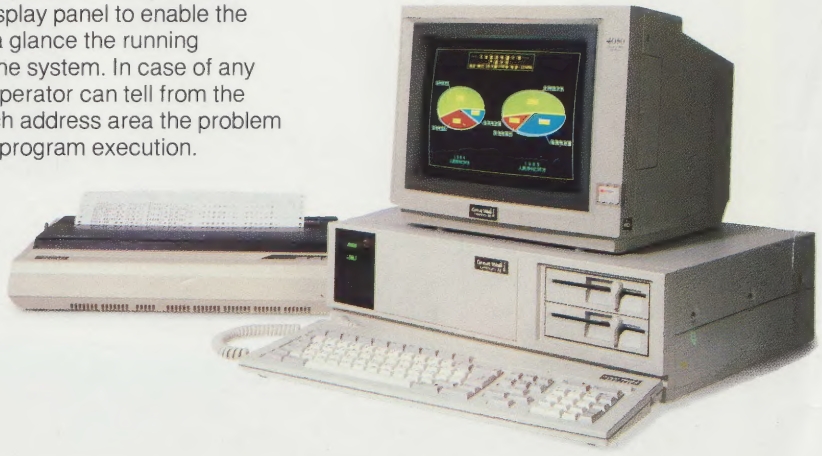
To ensure smooth and speedy service for the 0520CH, we use the signature analyser technique for maintenance.

The Administration of Computer Industry have set up the Great Wall Series management Committee to monitor software support, hardware backup and service. The Committee welcomes all inquiries concerning the Great Wall personal computer series.

Conclusion

Great Wall 0520CH is a state-of-the-art chinese processing system wholly developed by our country. It incorporates the latest technology and enjoys unlimited software. It is powerful, inexpensive, reliable, stylish and totally compatible with IBM PC/XT.

No matter how you look at it, 0520CH micro-computer is your best choice. You are very welcome to try it.



Administration Of Computer Industry
Of Ministry Of Electronics Industry P.R.C.

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